

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) Connector system of a connector and a counterpart, said connector comprising a pivotally supported locking arm extending towards said counterpart, wherein said locking arm comprises a first locking portion adapted to engage with a second locking portion of said counterpart by a first rotating movement (R1) of said locking arm to a locked position to lock said connector and said counterpart and adapted to disengage from said second locking portion by a second rotating movement (R2) to an unlocked position to unlock said connector and said counterpart characterized in that said first locking portion is configured to deflect in a direction angled relative to said first and second rotational movements, and said system is adapted to support said locking arm after said second rotating movement (R2) to prevent said locking arm to rotate backwards to said locked position.
2. (Previously presented) Connector system according to claim 1, wherein at least one of said connector and said counterpart comprises a support structure to support said locking arm .
3. (Previously presented) Connector system according to claim 2, wherein said locking arm comprises at least a bent portion (B) in the direction of said support structure.

4. (Previously presented) Connector system according to claim 1, wherein said locking arm is shaped to contact said counterpart.

5. (Previously presented) Connector system according to claim 1, wherein said system comprises a spring member adapted to exert a biasing force to said locking arm forcing said locking arm in said locked position.

6. (Previously presented) Connector system according to claim 5, wherein said spring member is integrated with said locking arm.

7. (Currently amended) Connector system ~~according to claim 5~~ of a connector and a counterpart, said connector comprising a pivotally supported locking arm extending towards said counterpart, wherein said locking arm comprises a first locking portion adapted to engage with a second locking portion of said counterpart by a first rotating movement (R1) of said locking arm to a locked position to lock said connector and said counterpart and to disengage from said second locking portion by a second rotating movement (R2) to an unlocked position to unlock said connector and said counterpart characterized in that said system is adapted to support said locking arm after said second rotating movement (R2) to prevent said locking arm to rotate backwards to said locked position, wherein said system comprises a spring member adapted to exert a biasing force to said locking arm forcing said locking arm in said locked position, wherein said spring member is a separate spring element for said locking arm.

8. (Currently amended) Connector system ~~according to claim 5~~ of a connector and a counterpart, said connector comprising a pivotally supported locking arm extending towards said counterpart, wherein said locking arm comprises a first locking portion adapted to engage with a second locking portion of said counterpart by a first rotating movement (R1) of said locking arm to a locked position to lock said connector and said counterpart and to disengage from said second locking portion by a second rotating movement (R2) to an unlocked position to unlock said connector and said counterpart characterized in that said system is adapted to support said locking arm after said second rotating movement (R2) to prevent said locking arm to rotate backwards to said locked position, wherein said system comprises a spring member adapted to exert a biasing force to said locking arm forcing said locking arm in said locked position, wherein said spring member is further adapted to exert a biasing force perpendicular to a plane of said first and second rotating movement (R1,R2).

9. (Previously presented) Connector system according to claim 1, wherein said first locking portion comprises a hook portion with a first locking surface and said second locking portion comprises a second locking surface adapted to abut said first locking surface in said locked position.

10. (Currently amended) Connector system ~~according to claim 1~~ of a connector and a counterpart, said connector comprising a pivotally supported locking arm extending towards said counterpart, wherein said locking arm comprises a first locking portion adapted to engage with a second locking

portion of said counterpart by a first rotating movement (R1)
of said locking arm to a locked position to lock said
connector and said counterpart and to disengage from said
second locking portion by a second rotating movement (R2) to
an unlocked position to unlock said connector and said
counterpart characterized in that said system is adapted to
support said locking arm after said second rotating movement
(R2) to prevent said locking arm to rotate backwards to said
locked position, wherein said second locking portion
comprises a ramped surface adapted to guide a guiding surface
of said first locking portion at least prior to said first
rotating movement (R1).

11. (Previously presented) Connector system according to
claim 1, wherein said locking arm protrudes from a housing of
said connector to induce said second rotating movement (R2).

12. (Previously presented) Connector system according to
claim 1, wherein said connector comprises a housing adapted
to expose said locking arm such that said locking arm is
available to induce said second rotating movement (R2).

13. (Previously presented) Connector system according to
claim 11, wherein said housing comprises a first space with
an entry for a cable and a second space accommodating a part
of said locking arm.

14. (Previously presented) Connector system according to
claim 13, wherein said second space is adapted to
incorporate a pivot joint of or for said pivotally
supported locking arm.

15. (Previously presented) Connector system according to claim 1, wherein at least one of said connector and said counterpart and said locking arm are metallic.

16. (Previously presented) Connector system according to claim 15, wherein said locking arm comprises stainless steel.

17. (Previously presented) Connector system according to claim 1, wherein said counterpart comprises a metallic board connector housing mounted on a printed circuit board having an entry for said locking arm to a receiving space comprising said second locking portion.

18. (Previously presented) Connector system according to claim 17, wherein said entry is part of an entry for said connector.

19. (Previously presented) Connector system according to claim 17, wherein said receiving space further comprises at least one of said support structure and said second locking surface and said ramped surface.

20. (Previously presented) Connector system according to claim 17, wherein said board connector housing entry comprises one or more ground springs around said entry.

21. (Previously presented) Connector system according to claim 17, wherein said board connector housing entry comprises one or more chamfered guiding walls for said locking arm.

22. (Previously presented) Connector system according to claim 17, wherein said board connector housing has a mating side for said connector, said mating side comprising at least one threaded hole.

23. (Previously presented) Connector system according to claim 1, wherein said system is adapted to allow manipulation of said locking arm to re-rotate to said locked position.

24. (Previously presented) Connector system according to claim 23, wherein said support structure comprises a support surface with an inclined orientation (α) to allow said locking arm to re-rotate to said locked position.

25. (Previously presented) Connector system according to claim 23, wherein said system is adapted to allow sideward movement of said locking arm to allow said locking arm to re-rotate to said locked position.

26. (Previously presented) Cable connector for use in a connector system according to claim 1 comprising a housing with at least housing part forming a first space with an entry for a cable and second space for said locking arm.

27. (Previously presented) Cable connector according to claim 26, wherein said second space is formed by a cover attached to said housing part.

28. (Previously presented) Counterpart for use in a connector system according to claim 1, wherein said counterpart is a board connector housing with at least a portion containing an

entry for said cable connector and an entry to a receiving space comprising said second locking portion.

29. (Previously presented) Counterpart according to claim 28, wherein said entry to said receiving space comprises one or more ground springs around said entry.

30. (Currently amended) Method for unplugging a connector from a counterpart, said connector having a pivotally supported locking arm extending towards said counterpart adapted to lock said connector and said counterpart, comprising the steps of:

unlocking said connector by a rotating movement of said locking arm from a locked position and a subsequent second angled movement of said locking arm relative to said rotating movement to an unlocked position;

leaving said connector in a plugged position with said locking arm in said unlocked position without an actuating force being exerted on said locking arm;

subsequent unplugging of said connector from said counterpart.

31. (New) Connector system of a connector and a counterpart, said connector comprising a pivotally supported locking arm, wherein said locking arm comprises a first locking portion adapted to engage with a second locking portion of said counterpart by a first rotating movement of said locking arm to a locked position to thereby lock said connector and said counterpart, wherein when said first locking portion is

disengaged from said second locking portion said first locking portion is configured to automatically deflect in a direction angled relative to a path of said first rotating movement, wherein said system is configured to support said first locking portion after said first locking portion deflects in the direction angled relative to the path of said first rotating movement to thereby prevent said locking arm from rotating back towards said locked position.